

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

Claim 1 (Currently Amended): An implantable medical device comprising:

at least two modules, each of the modules comprising a respective one of at least two housings, wherein each housing in the at least two housings provides a respective space within the housing, each respective space containing one or more components of the implantable medical device;

a coupling module coupled to each of the modules, the coupling module defining at least one lumen between the housings, the at least one lumen connecting the spaces within at least two of the housings; and

an overmold that at least partially encapsulates each of the housings and the coupling module,

wherein the coupling module permits motion of the two modules along at least one axis of motion.

Claim 2 (Canceled).

Claim 3 (Original): The implantable medical device of claim 1, wherein the coupling module permits motion of the two modules along at least two axes of motion.

Claim 4 (Original): The implantable medical device of claim 1, wherein the coupling module defines at least two lumens.

Claim 5 (Original): The implantable medical device of claim 1, wherein at least one of the two modules comprises a control module containing electronic components.

Claim 6 (Original): The implantable medical device of claim 1, wherein the implantable medical device has a maximum thickness of between approximately 4 millimeters and approximately 8 millimeters.

Claim 7 (Currently Amended): An implantable medical device comprising:
a first module ~~that includes control electronics~~ comprising a first housing wherein the first housing provides a first space within the first housing, wherein the first space contains control electronics;
a second module comprising a second housing, wherein the second housing provides a second space within the second housing, wherein the second space containing one or more components of the implantable medical device; and
a coupling module fixedly coupled to the first and second housings,
wherein the coupling module is hermetically fixed to the first and second housings, wherein the coupling module is made of a metal that defines at least one lumen between the first and second housings, the at least one lumen connecting the first space with the second space, and wherein the coupling module permits motion of the first housing relative to the second housing [[and]] along at least one axis of motion.

Claim 8 (Original): The device of claim 7, wherein the coupling module permits motion of the multiple modules along at least two axes of motion.

Claim 9 (Original): The device of claim 7, wherein the coupling module defines at least two lumens.

Claim 10 (Original): The device of claim 9, wherein the lumens comprise co-axial lumens.

Claim 11 (Original): The device of claim 7, wherein the coupling module defines one of a circular cross-sectional shape, a semi-circular cross-sectional shape and a rectangular cross-sectional shape.

Claim 12 (Canceled).

Claim 13 (Original): The device of claim 7, wherein the coupling module includes a bellows section.

Claim 14 (Original): The device of claim 7, wherein the coupling module includes at least one of a corrugation, convolution, and a variation in cross-sectional shape.

Claim 15 (Original): The device of claim 7, wherein the coupling module includes at least a helical portion.

Claim 16 (Canceled).

Claim 17 (Original): The device of claim 7, wherein the metal comprises titanium.

Claim 18 (Original): The device of claim 7, wherein the coupling module is fixedly coupled to at least one housing with a weld joint.

Claim 19 (Original): The device of claim 7, further comprising:
a third module; and
a second coupling module fixedly coupled to the third module and to at least one of the first and second housings.

Claim 20 (Original): The device of claim 7, wherein the second module comprises a battery.

Claim 21 (Original): The device of claim 7, wherein the coupling module is fixedly coupled to portions of the housings that are adjacent to one other.

Claim 22 (Original): The device of claim 7, wherein the coupling module comprises at least one bend.

Claim 23 (Original): The device of claim 7, further comprising a conductor passing through the lumen that electrically couples the first and second modules.

Claim 24 (Previously Presented): The device of claim 1, further comprising a conductor passing through the lumen that electrically couples the first and second modules.

Claim 25 (Currently Amended): An implantable medical device comprising:
a first module ~~that includes control electronics~~ comprising a first housing, wherein the first housing provides a first space within the first housing, wherein the first space contains control electronics;
a second module comprising a second housing, wherein the second housing provides a second space within the second housing, wherein the second space containing one or more components of the implantable medical device; and
a coupling module fixedly coupled to the first and second housings,
wherein the coupling module is hermetically fixed to the first and second housings and defines at least one lumen between the first and second housings, the at least one lumen connecting the first space with the second space, and wherein the coupling module permits motion of the first housing relative to the second housing [[and]] along at least one axis of motion.

Claim 26 (New): The device of claim 25, further comprising one or more conductors traversing the lumen and connecting components within the first space to components within the second space.

Claim 27 (New): The device of claim 25, wherein the components include at least one of:
a battery;
a telemetry module; and
a processor.

Claim 28 (New): The device of claim 1, wherein the components include a battery, a telemetry module, and a processor.

Claim 29 (New): The device of claim 7, wherein the components include at least one of:
a battery;
a telemetry module; and
a processor.